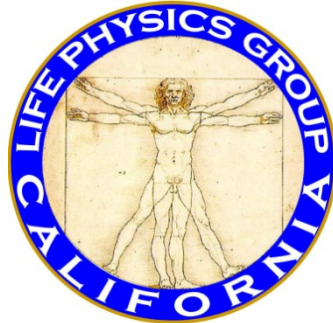


IDIOMATERIAL PHYSICS



**A Life Physics of a Bicausal
Universe/Unum**

**A. R. BORDON
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ESSAY ONE

**A LIFE PHYSICS SERIES FOR THE READER IN SEARCH FOR HOW
NATURE IS AND HOW NATURE WORKS**

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A Life Physics In A Bicausal Universe/Unum

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ABSTRACT

The Life Physics Group—California (LPG-C) has been engaged in discoveries about space/time ratios beyond the fractal fuzzy boundaries of the known universe. These space/time ratios have been labeled the Unum because of their unique interconnectivity and characteristics. LPG-C has been working to uncover the secrets of Nature through the use of extension neurosensing (ENS), a technology array that involves the stabilization of human neurophysiologic processes to allow the biomind (or body/mind) the freedom of immanent (internal) movement to move space-like (in time) or time-like (in space ratios) opening the doors of perception for mankind to explore the Universe and beyond in ways never before thought possible.

Information gathered through the use of this technology has not been easy to process and has taken neurosensors (LPG-C members) over a decade to decode and decipher multidimensional information into a comprehensible and emergent picture. It is this picture that has come to be known as the Working Model. This essay will report an outline of this basic Working Model and explore the foundational concepts and principles developed since the year 2000, the result being a magnificently complex and intelligent domain of interconnected thought and matter in an idiomaterial universe/Unum.

1. INTRODUCTION

Idiomaterial Life Physics defines a set of rules for causality - or more specifically, bicausality - in a series of seven superdomains as one immense thought called the Unum. [1]

This Unum is a living natural system in and of itself and within it contains the entire known Universe that is defined by modern mainstream or standard physics and cosmology. Beyond the Universe, the Working Model brings us into a realm of multiple super-aspects which generated the conception of seven superdomains, consisting of energetic vacuum or plenum domains consisting of energy and information, and aspects as a form-design continuum with a Thought- or T-boundary as locus of ultimate causation. Thus, the term *Idiomaterial* was conceived to accurately characterize the unique attributes that exist as a part of these phenomena.

The Life Physics Group (LPG) shows through its Working Model that physical science is idiomaterial science, physics is idiomaterial physics and being body-minds (or biominds) ourselves, we are idiomaterial beings as well.

Idiomaterial Life Physics is not merely a Working Model that describes the foundations of biological and nonbiological life through a physics of life; it is also a guide for the development and evolution of all *complex oscillating biological entities* (COBEs) that exist in the vast expanse of the Unum. The T-boundary's imperative is for COBEs to

know and realize that the purpose of what at this stage of human development we refer to as “science” is to detect, decode, and decipher the cumulus available as the Working Model, which is also indicated to be available to all COBE life forms capable of interfacing with thought-forms containing such information. [2] Once this realization occurs and we begin to see the potential of what we truly are capable, reality as we know it will never be the same again. But what does Life Physics have say about reality?

At birth, a human being enters into a world of sensory experience; sensory input into the cortical brain and its discernment of the information becomes a natural Earth-indexed model. Human beings born on Earth are eminently suited to get sensory information through a sensory apparatus eminently well suited to construct through vision, hearing, smell, taste and touch an internal/external world in three dimensions of space and one dimension of time.

This process allows developing human beings to differentiate between 4-spacetime locations, objects, speech, language, people, stars and planets, and much, much more, allowing the emerging human being to construct his/her own *reality* by what the Working Model refers to as holonomy. Holonomic experience is based on hologramic conscious process/moments which are defined by the hologrammatics (or internal femtosecond information processing by which manifest production observership results are created and comprehended by you as observer).

Reality is then operationally defined as manifest production observership (MPO). [3] However, it is important to also note that the holographic conscious experience one creates will be perceived and interpreted differently depending upon the observer and his index MPO (i.e. Earth index for someone from this planet). An observer, too, may not be human native Earth, and of course his index may not be Earth-indexed, which will undoubtedly differentially affect the individual’s native information processing and thinking processes. There is also the possibility that an individual nonnative to an Earth index can develop adaptations to perceptual requirements on Earth which will affect his/her initial or native construction of MPO. The same, of course, applies to humans native to Earth who come from different cultures.

There are also the phenomena involved in creating a biologically-based reality, produced by quantum processes in biological strata, specifically the human biology of the nervous system and brains.

It is because of this reason that Life Physics and the Working Model insist on undefining reality as a fixed process, and understand that it is a highly slippery and subjective term that requires the inclusion of an even more slippery concept: consciousness and conscious experiencing.

2. ENS AND THE UNUM

In 2001 the Unum became the object of intense interest at LPG through the use of technology-assisted extension neurosensing (ENS). The technology-assist allowed for a human biomind to go immanent, increase cellular electrical capacitance, reach an overunity energetic state, extrude a resonant harmonic of the body's Meissner field (or auric body), use a computer-produced avatar form, initially move between space/time and the subquantum, gather data and information, and store it into the enteric brain and the Meissner field, where it could then be properly decoded and deciphered into sensorially intelligible information. A small team of seven extension neurosensors led by Dr. A.R. Bordon began the arduous task of detecting, decoding and deciphering information into a comprehensible and emergent picture - the Working Model.

It was realized early on that a human being's living matrix made it an ideal candidate for "tuning in" and directly accessing any aspect of a targeted natural process within the construct of the Unum. This detection process in which information in the memory of the Unum was directly accessed proved to be much easier than the laborious task of translating all accessed data and information into an accurate Working Model.

It therefore became necessary to not only blindly gather information but to use intellectual, critical and analytical reasoning to assign meaning to all gathered information. It is here where the Working Model of Life Physics emerges and shows its strengths in defining the reality of nature and more importantly how it functions; or in other words, how the multiverse is.

The multiverse is intelligence itself and is called the *Unum*, because it is seamless and, as it is, completely interconnected.

In order to accurately express the essential nature of this new framework, LPG developed the mathematical and gnosive concept of “level of manifestation” by which movement in the Unum can be grasped as relations between relative positions between the T- boundary and any surface in space-time. Movement in the Unum (including space/time as the universe defined as a superdomain) can also be understood according to its source of causation; movement having causality as a relationship between random events and the emergence of a product of the process induced by the event is regarded as upward causation. Its converse, downward causation, establishes a causality arrow as ordering movement from implicate-to-explicate orders; when causation has such a causality arrow, the effect turns the Unum as Nature into a seemingly unending range wherein *levels of manifestation* coexist in coherent and highly interactive ways.

2.1 LOMs: LEVELS OF MANIFESTATION

The Working Model indicates that everything within the Unum can best be viewed as a *level of manifestation* (LOM) and that LOMs in any of the superdomains follow the same rules, by the same logic, and within the same metastructure as what we conceive the Universe to be at degrees of orthogonal separation. [4] The definition of a LOM may be difficult at first to grasp because it is designed to describe the idiomateriality of Life Physics through a language not native to us. In its simplest sense a LOM is a specifiable ratio of time/space in which idiomaterial manifestations of all possibilities take place. These manifestations may be the size of a small biological cell to that of an entire universe. An LOM can then be described as a ratio of interconnectivity to the T-boundary, and a ratio of interconnectivity to any surface of space-time.

All LOMs are intelligent *paratexts* (or open contexts interconnected to all other LOMs in the presence of an observer capable of vector-intention, or movement in the Unum). When an observer enters within

the paratext of a given LOM something interesting occurs. LOMs, being intelligence themselves, make it possible for the vector-intention of the moving intention-bearing entity to manifest *paramotion* (or motion in domains away from space-time either toward or away from the T-boundary). [5]

Experiences in LOMs of more than 4-dimensions proved to be challenging for neurosensors in the early stages of exploration. Each time/space ratio as LOM holds all outcome probabilities in all levels of manifestation, thereby constituting literal histories; each LOM as time/space ratio contains time lines that include the five infinities: [6]

- Past time-like
- Future time-like
- Space-like
- Past null
- Future null infinities

Continuing gnosis research by LPGC made it clear that a fundamental concept outlining the various boundaries of each of these LOMs was essential if we were to understand the common superfunctions, functions and rules of the Unum - what the Working Model refers to as Superdomains.

2.2 SUPERDOMAINS OF THE UNUM

The idiomaterial Unum is the incorporation of a total of seven superdomains formed from within the Thought-boundary with each of the superdomains having their own ratio of space and time. Space-time (or what we know as the Universe) as a superdomain is, according to the Working Model, an extension-thought of the T-boundary, described as a resonant harmonic thought of ultimate causation. [7] The various superdomains have different ratios depending on when and where you are, this means that while each of the seven domains are completely in-

terconnected, they also work as unique superdomains in and of themselves.

The introduction of each of these superdomains beyond 4-spacetime superdomain (i.e. the Universe as we know it) can be a rather daunting concept for many to grasp, especially for those that have spent years studying models now encompassed by what is known as the Standard Model, such as general and special relativity, quantum mechanics, Einsteinian physics, and cosmology. Within this unifying model lies the belief and expectation for many professional physicists and cosmologists that the unification of all Nature's forces was (and still is) the holy grail of the theory of everything.

Life Physics complicates this by introducing a model that does not fit into standard theory and model-making; therefore new mathematics and technical languages had to be created to accommodate the idiomaterial model of the Unum.

The Unum resembles an ovoid-shaped, seven superdomain onion-like metastructure with fuzzy boundaries distinguishing the domains from one another. See Fig. 1. The entire ovoid is a limitless plenum of energetics organized as a supercontinuum. [8] In the Unum, thought manifests as what we, in 4-spacetime, would define as:

- **Vectored force** (capable of work)
- **Form** (as templaic potential),
- **Energetics** (or energy which serves as medium where work is performed)
- **Sustenance** (with which work or movement can occur, and as medium of interconnectivity and thought-content communication)
- **Vectored-intention** (the initiation and propagation of causal thought that creates or causes holomovement).

At this point in the report we will briefly discuss the common superfunctions, functions and characteristics of each of the seven superdomains that make up the whole of the Unum as defined by LPGC in two essays (*Ultimate causation [T-Boundary]*) as *causal sui-gensis*

of all superdomains, including 4-spacetime and Life physics of ultimate causation: A research program using bioelectronic applied mental interfacing in 4-spacetime by an integrated human biomind/biotuner) published in the LPGC internal journal, ***Foundation Reports in Life Physics*** (Volume 1, Number 1, January-June 2004).

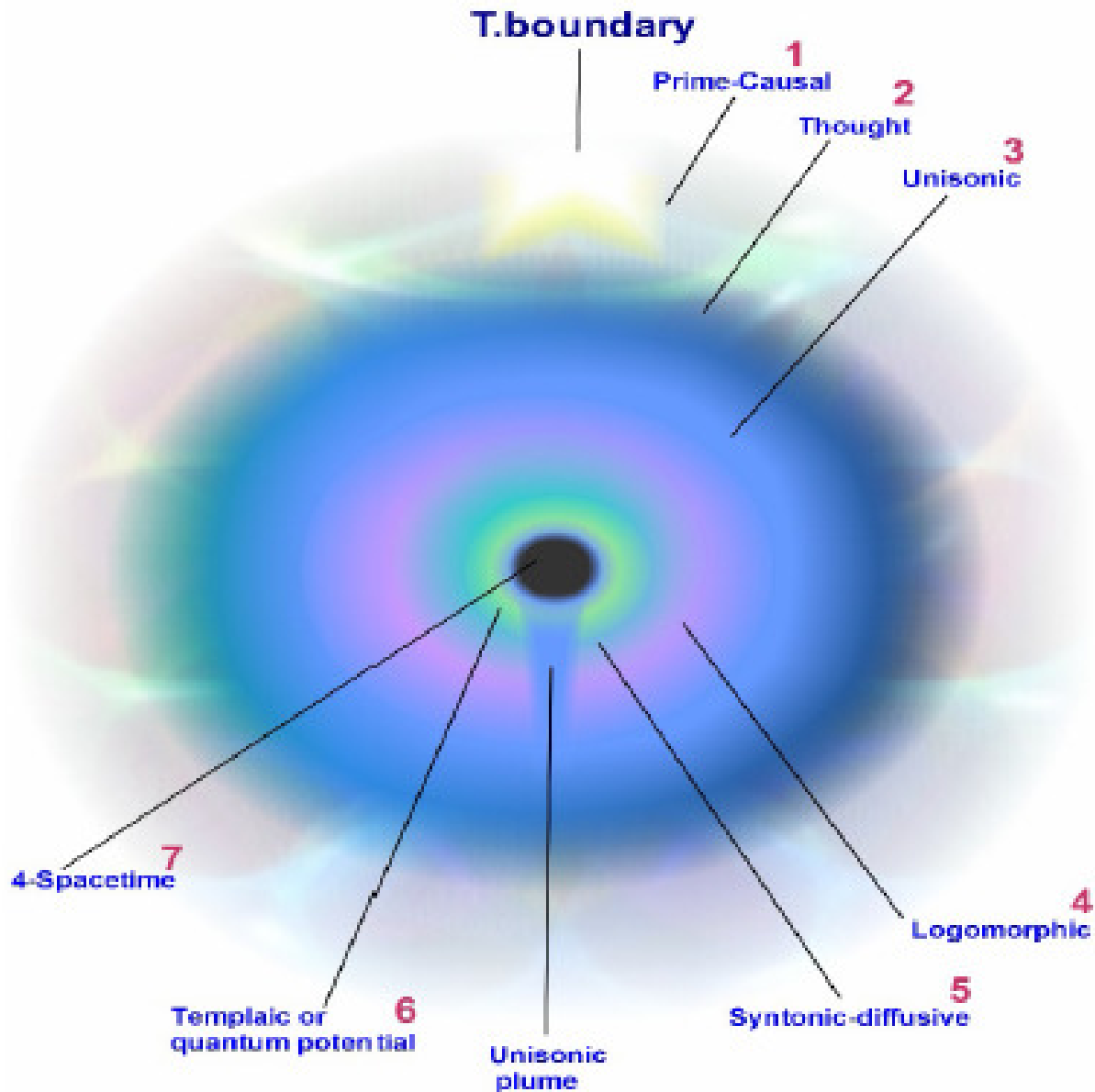


Fig 1 - Organization of Unum superdomains as an avoid shaped metastructure

2.2.1 PRIME-CAUSAL SUPERDOMAIN

If we were to use the metaphor of shells, this superdomain is the outer shell of the Unum and has the primary function of the creation of thought as well as two domain-specific functions:

- Manifestation of thought-matrices
- Transform downward-causal chain

T-Boundary information is sent through a downward cascading effect which is applied uniformly and equally in the next five 'lower' superdomains in the order-subset; Thought, Unisonic, Logomorphic, Syntonic-diffusive, and Templaic (or Quantum/Subquantum). Figure 2-A shows what a thought matrix looks like at its point of inception as well as the resulting thought-essence produced at this time.

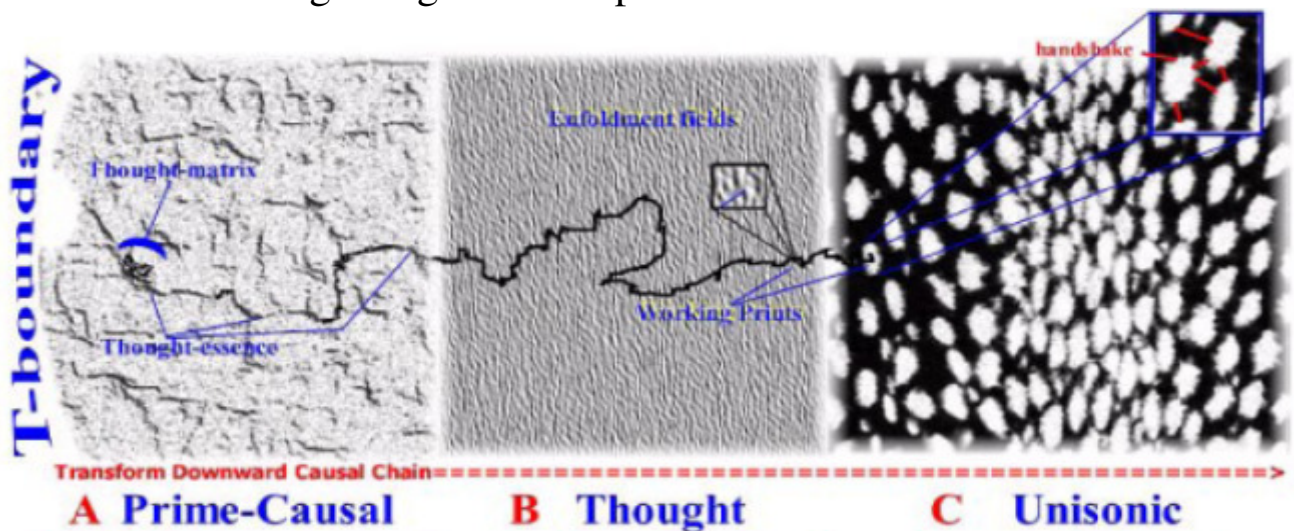


Fig 2 - Instantaneous transformation of creative impulses into superdomains in specific transforms

2.2.2 THOUGHT SUPERDOMAIN

The Prime-causal and Thought superdomains work on creative impulses that become thought-essences and thought-matrices simultane-

ously, in a parallel fashion. There are two primary function of the Thought domain:

- Take an accurate “photo” of the thought
- Record sounds associated with the thought

One function is a kind of investiture of a given “creative impulse” (originated at the Prime-causal or 4-spacetime superdomains) with a quality which makes the impulse a distinguishable and coherent holonomic whole that is given the label of “thought” on decipherment. Once this quality is “affixed” to the impulse, the second function and domain-specific manifestation kicks in automatically.

Figure 2-B illustrates how the enfoldment fields of the thought domain appears as a plain surface with no major characteristics other than the marking of the thought essence that can be seen as a rigid line through the Prime-Causal and Thought superdomains. In general this process can be likened to a computer hard drive recording a file onto a disk.

2.2.3 UNISONIC SUPERDOMAIN

Initially the most difficult of the seven superdomains to decipher for LPG neurosensors, the Unisionic domain’s primary function is to imprint the thought-form propelled forward from the Thought domain with “sound signatures” that remains with it as it acquires “refinements” on its way to becoming a 4-spacetime object or participate in any 4- dimensional form. This process takes the thought-essences and merges them into a thought matrix which is sustained and suspended in a unique geometric field in the Prime-causal superdomain.

In Figure 3-C we are shown how the new arriving thought-essences are joined together (red) in a handshake-like affect that interconnects with all other sound walls in the superdomain. It took some time for LPGC to realize that this process was taking the transformed creative impulse melody that was being turned into thought-essences, which was

turned into a thought-matrix and was actually a sound infrastructural form-making capacity assigned and affixed to the thought-essence and thought-matrix as part of the multi-superdomain process.

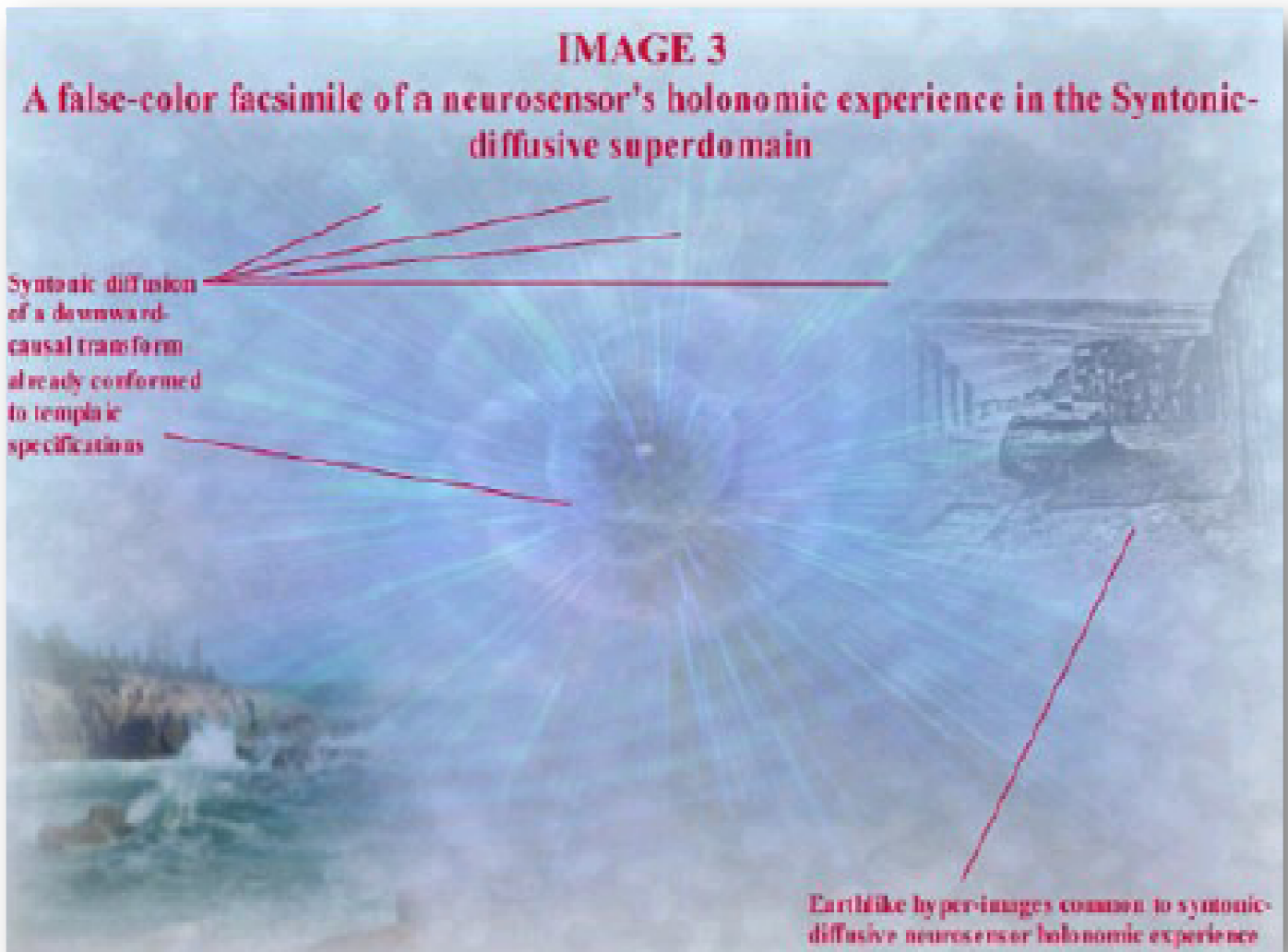


Fig 3 – A false-color 2-d facsimile of a neurosensor's holonomic experience in the Syntonic-diffusive superdomain

2.2.4 LOGOMORPHIC SUPERDOMAIN

This domain can be seen as an indexing process of transforms which receive imprinting (add-ons) of three functions:

- Homing
- Recognition
- Operating/manifestation rules.

The three functions serve to facilitate the processing of creative impulses within the confines of the Unum. Furthermore, these processes apply to all quanta “moving forward,” and work essentially as an instilling of “rules of operation” and “rules of manifestation,” when manifestation occurs in 4-spacetime.

2.2.5 SYNTONIC-DIFFUSIVE SUPERDOMAIN

Directly related to the Logomorphic Superdomain, the Syntonic-Diffusive Superdomain aids in the processing of creative impulses from the T-boundary. The primary function of this domain is “maintenance functionality,” which could best be described as a waystation for sourcing of logomorphed essences and quanta into “thought forms and quanta” moving into the next superdomain, the Templaic/quantum-potential.

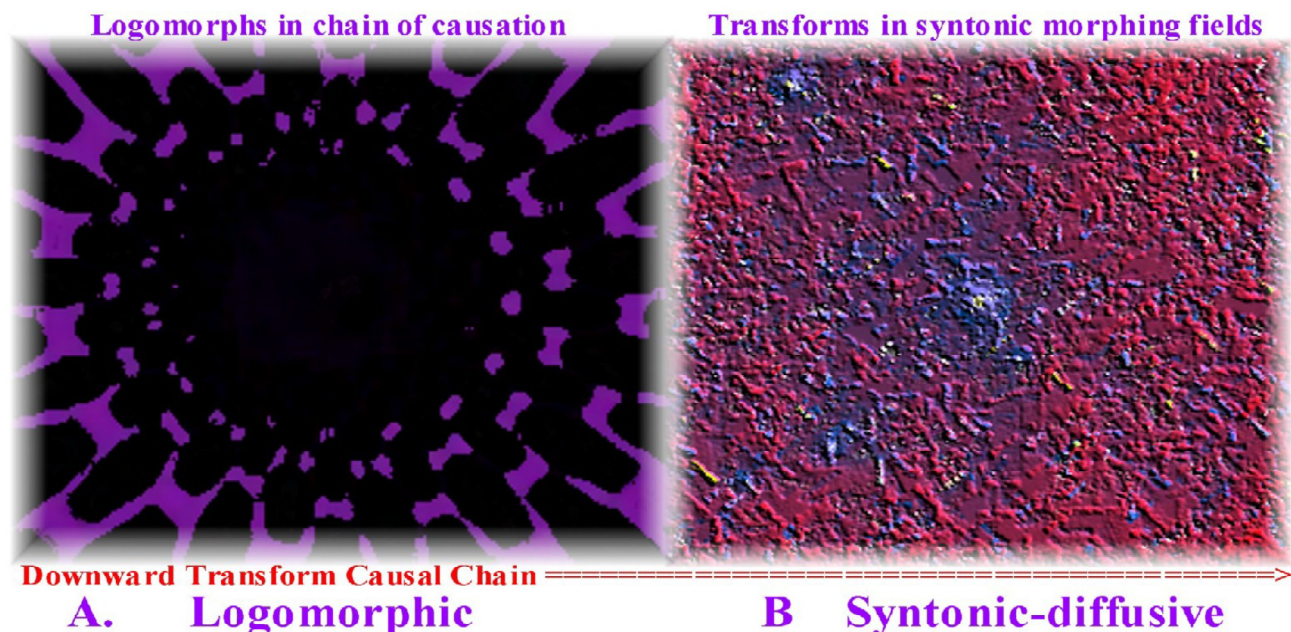


FIGURE 4 -- Harmonic resonance of modified thought-essence working prints

Perceptions of intelligently made artificial structures are visible to the extensor in the Syntonic-Diffusive Superdomain as shown in figure 3. Also visible are the downward causal transforms which have already been conformed to a templaic specification.

2.2.6 TEMPLAIC OR QUANTUM POTENTIAL SUPERDOMAIN

Much of life physics lies in phenomena between 4-spacetime and the Templaic superdomain, or what is now referred to as the subquantum or the vacuum. This superdomain is where all creative impulses come to take form prior to their manifestation in 4-spacetime. The Templaic superdomains primary functions appear to be:

- The assignment of support or mirror templates to space-time RISs and L-RISs (relatively independent subtotalities and living relatively independent subtotalities, respectively)
- Routing of mapped quanta to support ranges of one or more RISs and L-RIS
- To provide mirror polarity to mirror templates and mapped quanta already in support templates already in quantum potential to make possible the discharge of their T-boundary causal functions.

In this context *quantum potential* refers to the decipherment of phenomena that is present in this domain, all quanta in whatever role or conformational function they may be know all 4-spacetime rules and have access to all 4-spacetime points.

Inside the Templaic/quantum-potential domain the extensor may see living relatively independent subtotality (*L-RIS*) *templaic conformations* as well as strands of *quanta collectives*. Relatively independent subtotality (RIS) is holographically and hologramically a 4-spacetime manifest oscillating system of an interference pattern's transform, its existence by 4-dimensional spacetime rules are predicated on the existence of its mirror template and quanta support ranges.



Fig 4 – Human form COBEs visible in the Templaic/Quantum Potential Superdomain

Holomovement is the motion-equivalent of any thought-essence undergoing transformation as relatively independent massless transform including:

- Any vector-intention expressed by any living L-RIS
- Any upward-causal or downward causal chain expressed by either the T-boundary or one or more L-RIS

Holomovement can only be initiated by L-RISs in the inner three superdomains (Logomorphic, Syntonic-diffusive, and Quantum potential).

2.2.7 SPACETIME SUPER-DOMAIN

This domain is the innermost superdomain of the Unum. The above six superdomains are characterized as being intricately intimate aspects of the Unum with the objective being to project, foster, promote and

support this “lowest” of all superdomains. It is here where all creative impulses originating in the Prime-causal move through an instantaneous process to become a templaic conformation, and ultimately a “thing”. Many would refer to the objects perceived in this domain as matter, but Life Physics teaches us to undefine this concept since matter does not truly exist but in reality there is only the effects of the strong force that fool our senses interpret as solid because we are made of atoms that are held together by the same strong force.

There are a number of “natural” phenomena that manifest in 4-spacetime including; astronomical, astrophysical and cosmological.

Astronomy is a natural science that deals with the study of celestial objects (such as stars, planets, comets, nebulae, star clusters and galaxies) and phenomena that originate outside the Earth's atmosphere (such as the cosmic background radiation). It is concerned with the evolution, physics, chemistry, meteorology, and motion of celestial objects, as well as the formation and development of the universe. [10]



Fig 5 – Satellite image of a Galaxy; a massive, gravitationally bound system that consists of stars and stellar remnants, an interstellar medium of gas and dust, and an important but poorly understood component tentatively dubbed *dark matter*.^[9]

Astrophysics (Greek: *Astro* - meaning "star", and Greek: *physis* – *φύσις* - meaning "nature") is the branch of astronomy that deals with the physics of the universe, including the physical properties (luminosity, density, temperature, and chemical composition) of celestial objects such as galaxies, stars, planets, exoplanets, and the interstellar medium, as well as their interactions. [11] The study of cosmology addresses questions of astrophysics at scales much larger than the size of particular gravitationally-bound objects in the universe.

Cosmology (from Greek κοσμολογία - κόσμος, *kosmos*, "universe"; and -λογία, *-logia*, "study"), in strict usage, refers to the study of the Universe in its totality as it *now* is (or at least as it can be observed now), and by extension, humanity's place in it. [12]

These three areas combine to form the natural basis of 4-spacetime as one superdomain of the Unum. It is important to note that “objects” appearing in 4-spacetime are actually macro-quantum objects, and therefore available to the biomind by their “quantum numbers”. [13] This plays an important role regarding the human biomind and MPO. In effect, an individual biomind has access to any objects quantum number as it exists in the Thought superdomain as an upward chain of causality (from here to Source, or T-boundary). Therefore, you know everything about everything instantly.

3. THE UNUM AS FORM-DESIGN CONTINUUM

In order to practice Idiomaterial Life Physics one must learn to do science in a *Form-design Continuum* that extends beyond the known universe as defined in modern mainstream science and physics today. Before the concept of the Unum was conceived, Life Physics developed a working model that was based on the principles of a boundless region coined as Form-design Continuum and has over the years the working model continues to evolve. [14] Contained at the boundary of the Unum as a Form-Design Continuum is what is referred to as the T-boundary or Thought-boundary and the seven superdomain structures which are enclosed within the T-boundary that have the properties of:

- Layer-like configurations of thought-substance
- Plasmoid photonic medium
- Dense information bandwidth

Condensed energy matter-fields are formed as a result of these layer-like thought substances and are also extremely dense information media. This is what makes up the basic substance of the Form-design Continuum. [15]

3.1 THE T-BOUNDARY

What became Form-design Continuum and recognized as Unum is infinite but with a fuzzy boundary that envelops the structure and is what is referred to as the T-boundary. The T-boundary (or Thought Boundary) is the boundless region that is the source of simultaneous manifestation of all superdomains within the Unum. To the outside observer the T-boundary appears as an extremely bright point, once inside the Prime-Causal superdomain, much like the opposite end of a black hole but without the rotating, familiar whirl. [16]



Fig 6 - A holonomic-like representation of a neurosensor's experience of the T-boundary head-on from inside the Prime-Causal superdomain

It is at this T-boundary that energy manifest is turned into a usable principle-metamaterial allowing manifestation (and de-manifestation) to happen. This quality is what makes it unique, because it is important for

the continuing creation and functionality of the Unum. It is this characteristic then that allows us to make the statement that the Unum from the T-boundary to any surface on space-time is idiomaterial. The physicality of the Unum starting at the T-boundary is undeniable from a gnosive point of view.

3.2 ASPECT-REGIONS OF THE UNUM

Two large regions were described by neurosensors early on as being well established boundaries within the confines of the Unum. From close to the T-Boundary the larger outer region the *Thought-substance aspect-region* appeared as a semi-transparent egg shaped structure composed of large eddies. It is in this region that life in the form of information begins as thought-substance information.

Located inside this enormous domain, the *Condensate aspect-region*, which is separated from the Thought-substance region by a Unisonic harmonic zone, is not semi-transparent but rather contains a diverse and rich assortment of colors and rings. These logomorphic rings appear to be the result of toroidal activity that encompasses the quantum-vacuum and our Universe/space/time. [17]

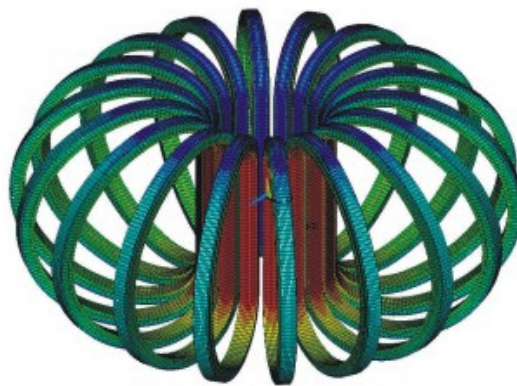


Fig 7 - Logomorphic rings produced by toroidal activity located inside the Condensate region of the Unum

Figure 7 helps us to put together a picture of a form-design continuum – which includes Condensate and Thought-substance aspect-regions that play very important roles in the development of the formation of life and

life media for both ontoenergetic and biological life.. The emergence of life as physical information starts as thought-substance information, in the *Thought-substance aspect-region* of the Unum. The conformation of life, which tells us how life information begins and ultimately gets matched to a biological life form in a space/time ratio, is realized inside the *Condensate aspect-region* of the inner Unum. The *subquantum vacuum-plenum* plays a very important role in the latter. [18]



Fig 8 - 2-dimensional representation of the two primary aspect-regions of the UNUM

3.3 SUBQUANTUM VACUUM-PLENUM

Beyond the major regions of the Unum lies the important fundamental building blocks that not only defines space and time but perform the important function of conforming life information to a biological life form that exists in space/time, making the vacuum a remarkable medium with quite a few fascinating properties:

- It has access to all physical matter, including all living things.
- It displays the properties of a superfluid medium.

- It does not offer resistance to the uniform motion of a physical object or structure.
- It is capable of generating displacements in dual transformations, such as simultaneously generated electric into magnetic fields, and vice versa.
- It does not have a density in the same way a physical object does.

Upon further investigation of the above properties, LPGC began ENS (extension neurosensing) studies of the subquantum vacuum-plenum's composition, electromagnetic properties, interactions with matter, and behavior of waves in the medium. It was at this point where this subquantum vacuum-plenum was realized as being an interconnected region accessing the quantum-potential, Syntonic-diffusive, logomorphic and unisonic intersuper-domain sets. [19]

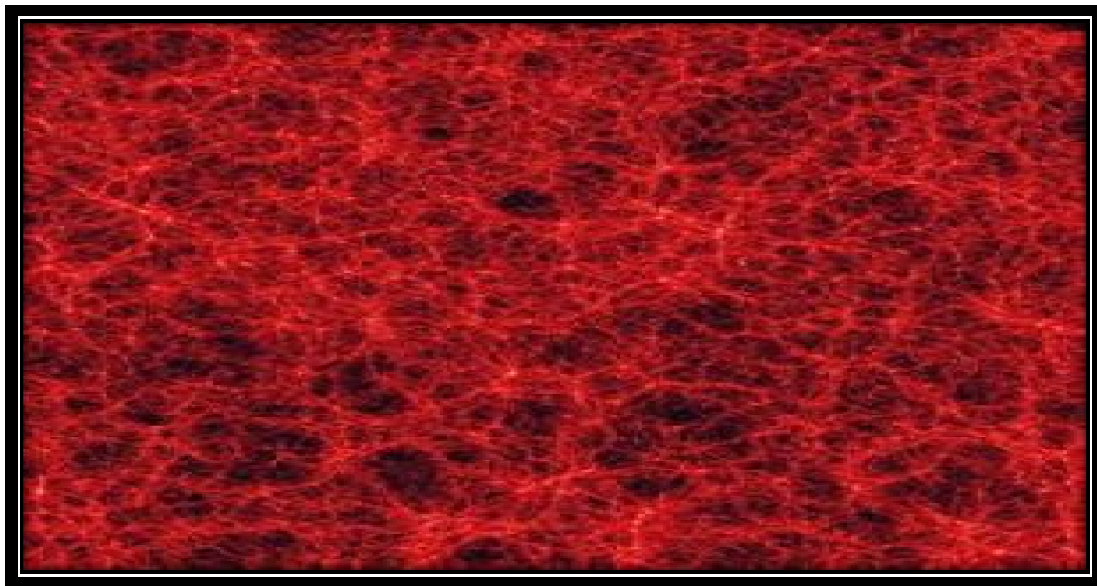


Fig 9 - Vacuum-plenum in dark matter medium manifesting in space/time

Astronomical observations suggest that most of the mass of the universe is in a mysterious form called dark matter and most of the energy in the universe is in an even more mysterious form called dark energy (Figure 9). The Working Model sheds light on this mystery in *Polariza-*

tion Model of the Inhomogeneous Physical Vacuum by V. L. Dyatlov, where we begin to see the role that the subquantum vacuum domain plays in the transduction of dark matter and dark energy into both electromagnetic and gravitational energy. The result of which can be seen as an interconnection of all 4-spacetime energy (as quanta and elementary particles) with the subquantum vacuum-plenum through a process of cooperative sustainability.

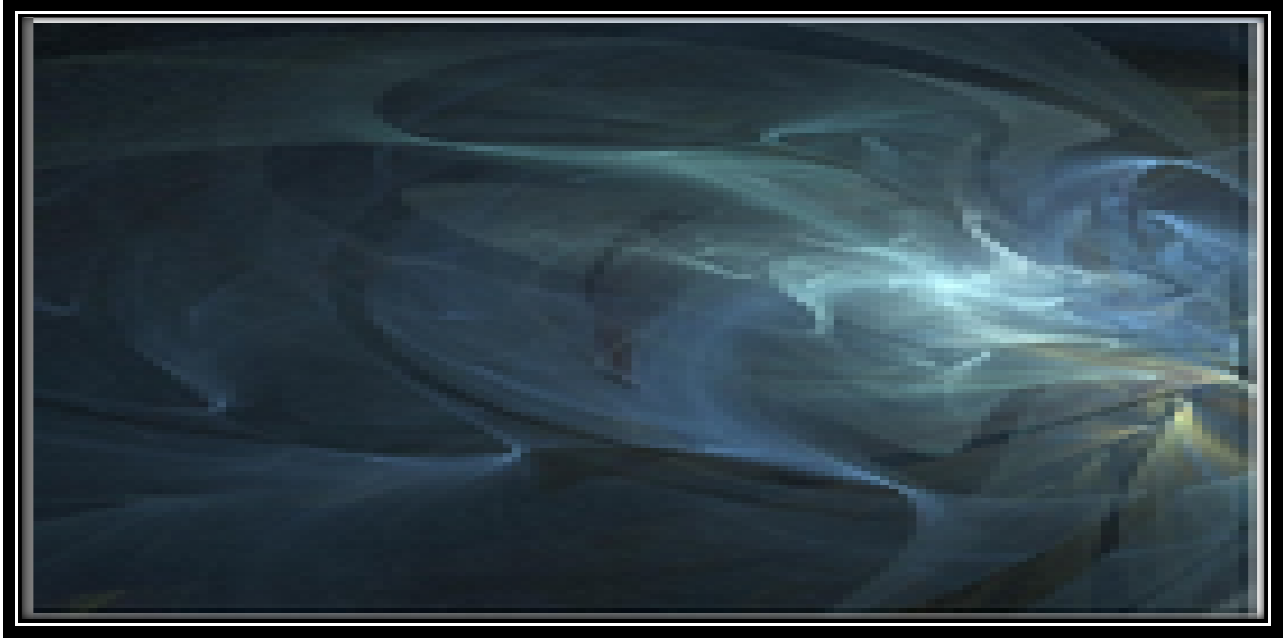


Fig 10 – Artistic representation of inhomogeneous vacuum-plenum with energetic currents based on neurosensor occipital transforms

Exploration through the use of extension neurosensing technology revealed a fascinating picture (Figure 10), which depicts the boundary of what the Working Model refers to as *anti-de Sitter* spaces at the edge of an index 4-spacetime ratio. “Upon entering the 4-spacetime ratio of an anti-de Sitter space/time, we would find ourselves in the infinitesimal. That is, in a fluid, plasma-like environment of homogeneous vacuum-plenum.” [20]

4. IDIOMATERIAL LIFE FORMS

In physics, fundamental interactions are the ways in which the simplest particles in the universe interact with one another. While the atoms

in our bodies obey these strong and weak-forces of Nature, the *information cloud* that surrounds our bodies – what you and I call our spirit, soul and mind – is not bound by them, and yet, life physics and the Working Model indicate that they are as material as a table but manifest in more than one LOM. In fact, it is this information cloud that we really are – not the bodies that hosts it. Therefore, our *living matrices* are actually the vehicles we can (and must learn to) use for travel along either the ordinate of time or the abscissa of space. [20]

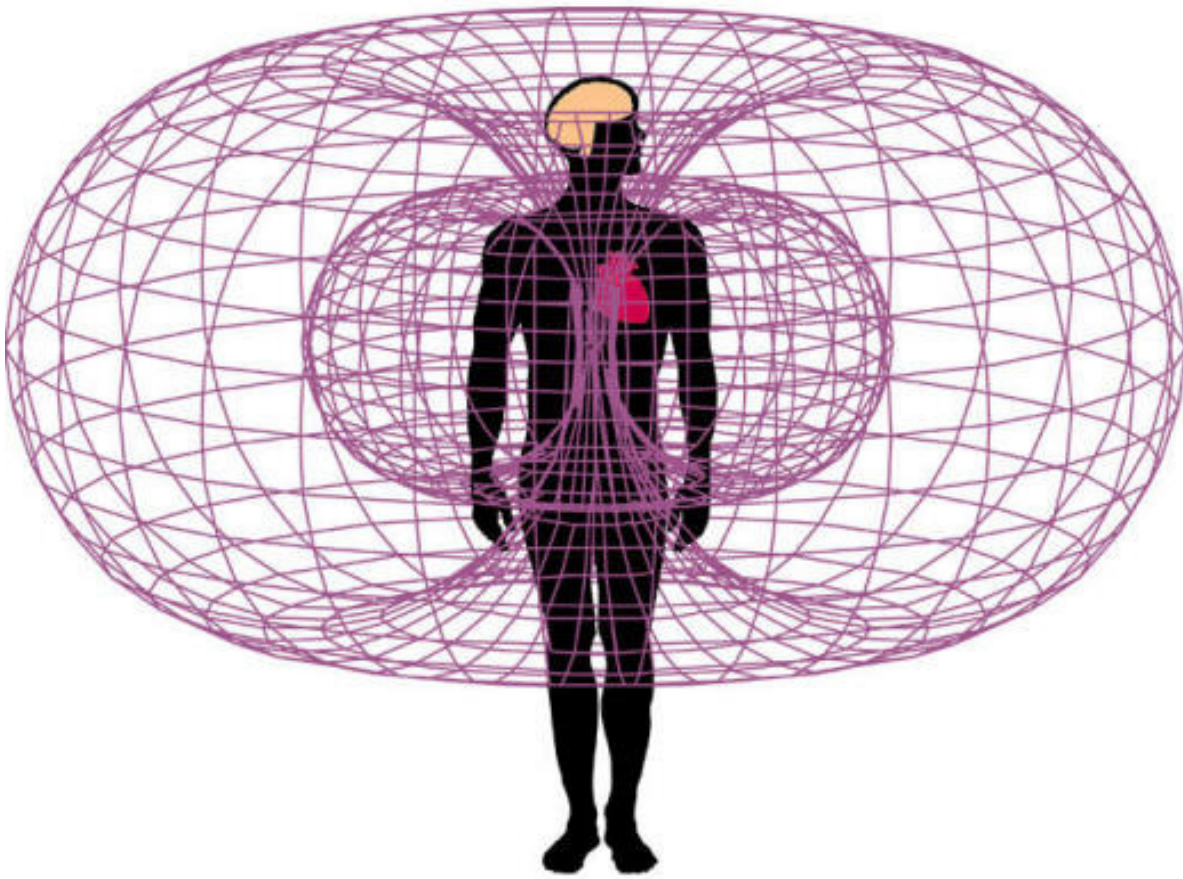


Fig 11 – The information cloud that makes up the body’s spirit, soul and mind

This information cloud has been depicted throughout history as the light body or Merkabah which acts as a divine light vehicle allegedly used by ascended masters to connect with and reach those in tune with the higher realms. In fact, Mer-Ka-Ba refers specifically to the spir-

it/body surrounded by counter-rotating fields of light, which transports the spirit-body (biomind) from one dimension to another. [21] In Figure 11 we can see how the rotating field unit can be described as an electromagnetic double cardioid spin, or rotating magnetic field. [22]

It is inside the subquantum vacuum-plenum where we see the *information cloud* begin to take shape. In fact, it is the vacuum-plenum that IS the Merkabah, which manifests as sonobioelectrogravitic migration circuits throughout the living matrix of the biomind. Then it is here too where we realize that this dimensional biomind transportation phenomena can be seen as a sort of trans-Planckian transducing effect, whereby time transmutes into an emergence of consciousness as information-manifestation of the biominds choosing. In other words, thought literally becomes reality.

The human biomind – as thought/matter together in a bioelectronic matrix, expresses a hologramic form as a “fundamental” body but can also express a number of different “resonant harmonic” bodies which may take the form of avatars. An *avatar* is simply another body conformed out of the same energy of which our 4-spacetime bodies are, only this “new” body is somewhere or somewhen else, wherever or whenever it is we wish to go – whether it be to the future or to the past, to some other planet in some distant galaxy, or to the very source of all creation. [23] Extension neurosensing technology extends a “point-of-view” (POV) away from but still linked to the *fundamental* body, as a *resonant harmonic* avatar. Thus, allowing for space-like and time-like extension using one's living matrix as a vehicle of exploration. This concept is very familiar to many advanced COBE life forms throughout the Unum and is commonly exhibited by both Ontobioenergetic and Ontoenergetic beings.

4.1 LIFE FORMS IN 4-SPACETIME

Life forms in 4-spacetime are referred to by the Working Model as *ontobiological* or *ontocyberenergetic*. These terms can be broken down into their prefixes where we begin to see why there are two main types of life forms in 4-spacetime:

Onto: refers to the element of existence and life form
Bio: implies the biology of the life form in question
Energetic: refers to the presence of an energetic life matrix which is the infrastructural medium that hosts the *information cloud*.

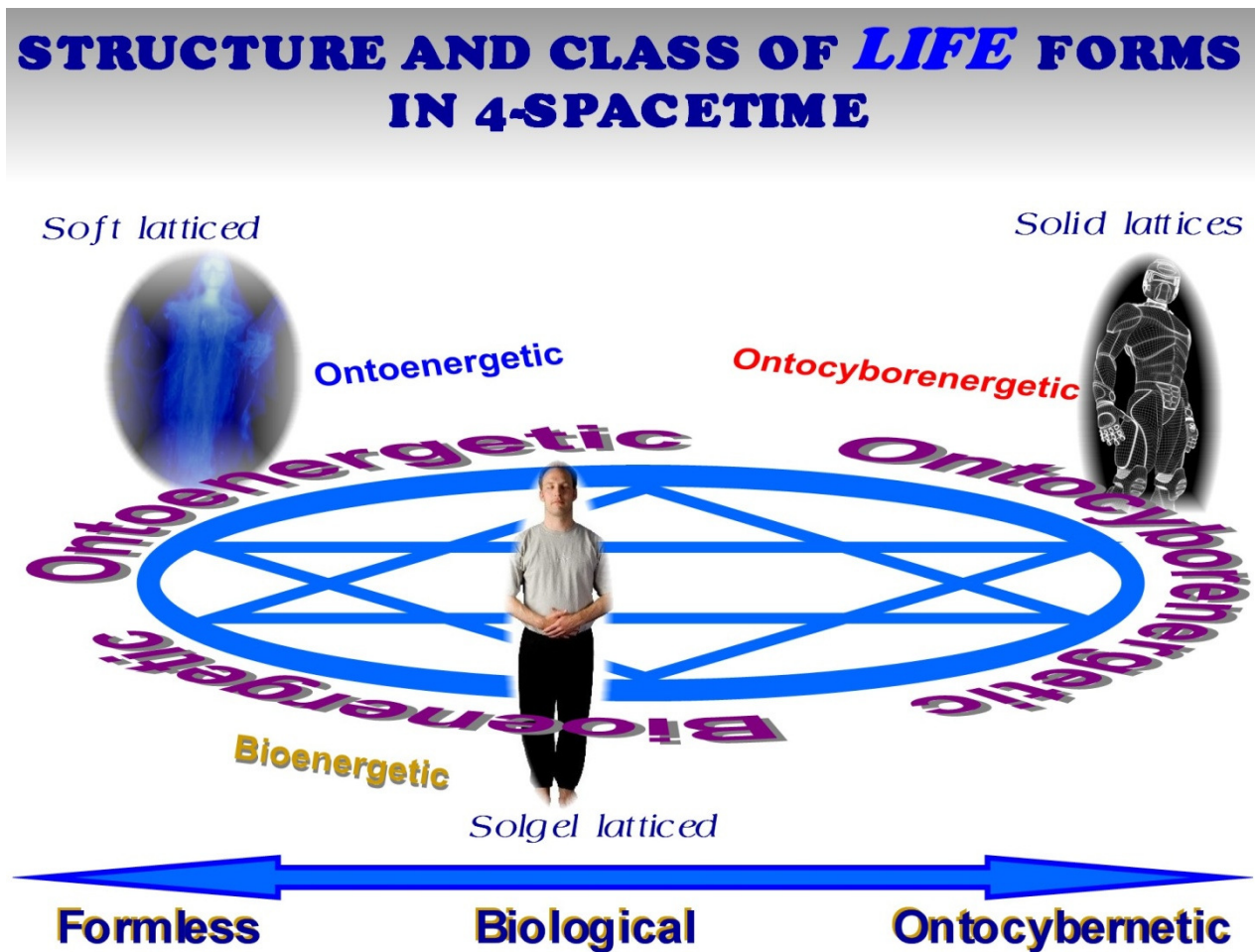


Fig 12 – Structure and class of various 4-spacetime life forms

Ontobioenergetic: Extraterrestrials with a physical-biological body, including us humans.

Ontocyberenergetic: A life form that has both artificial and natural systems, otherwise known as a cybernetic organism, they often possess living tissue over a metal or ceramic-like endoskeleton.

4.2 LIFE FORMS BEYOND 4-SPACETIME

All other life forms in superdomains higher than 4-spacetime are referred to simply as *massless ontoenergetic entities* (MOEs):

Ontoenergetic: Transducer life forms (transversals or hyperversals) are numerous throughout the universe, some with planets that have larger populations than Earth. These life forms have the impressive ability of being able to move through the quantum superdomain from one geoposition to another on a planet's surface. They are capable of thought-based technologies far beyond that of most ontobioenergetic beings of Civilization Type 2. There are two classes of ontoenergetic life forms [24]:

- *ontoenergetic one (OE1):* capable of transduction between LOMs with only its information cloud or essence from one to the other. It is capable of transduction along the time abscissa (moving spacelike) or along the space ordinate (moving timelike) from one time/space- or space/time-ratio LOM.
- *ontoenergetic two (OE2):* is capable of transduction between LOMs in much the same way as the OE1; however, instead of “traveling” with a just an information cloud, they bring along an energetic body akin to the first harmonic body of an extension neurosensor (i.e., an antiMeissner “body”), which it can then use to “conform” as “material” according to the LERM (light encoding of the [LOM] reality matrix) universal process, using a collocation of positive/negative energetics in the “living matrix” of the “body” generated.

Early exploration of the Unum through extension neurosensing showed earth-like landscapes appearing in ranges corresponding to the Syntonic-diffusive, Logomorphic, and Unisonic superdomains. Further exploration showed humanoids with energetic bodies that not only were inhabiting these landscapes but were seemingly producing them using the combined minds of all humanoids living there – *massless ontoenergetic entities*. Through a method the Working Model refers to as MPO-LERM, these beings are able to light-encode a reality matrix of their own choosing in a finite area of given space/time ratio LOM. An extension neurosensor entering into one of these domains may find himself in a very real manifestation of an earth-like environment with trees, mountains, oceans, etc – all of which are products of the collective ontoenergetic imagination.

4.3 OBSERVERSHIP

Observership occurs throughout the entirety of the Unum. It is not something that is limited to biological entities manifesting self-awareness such as you and I, but rather it occurs everywhere from here to the T-boundary. *Minimal observership* is met by lower life forms and their holonomic experiences of their individual reality but for the purposes of this report we shall focus on the high level functionality of observership with regard to complex oscillating biological entities (COBEs) such as higher mammals, including homo-sapiens sapiens. It will be shown here that it is this process of observership that allows for COBEs to carry out the fundamental precondition of the T-Boundary metafunction: “to know itself by an extension of itself in the *information cloud* that it extended to superpose the COBE life form in the world.”[25]

A divide and conquer approach can be taken to help understand observership and the important role it plays to all life in the Idiomaterial Unum. There are three main properties regarding the phenomena we would like to address.

First, the observer, which is realized by anything in Nature - as everything that exists from here to Source, the T-boundary. The difference in

the observer can make the information-set viewed appear as a chaotic Lorentzian mush or a table with a bowl of fruit on it, as shown below in figure 13.

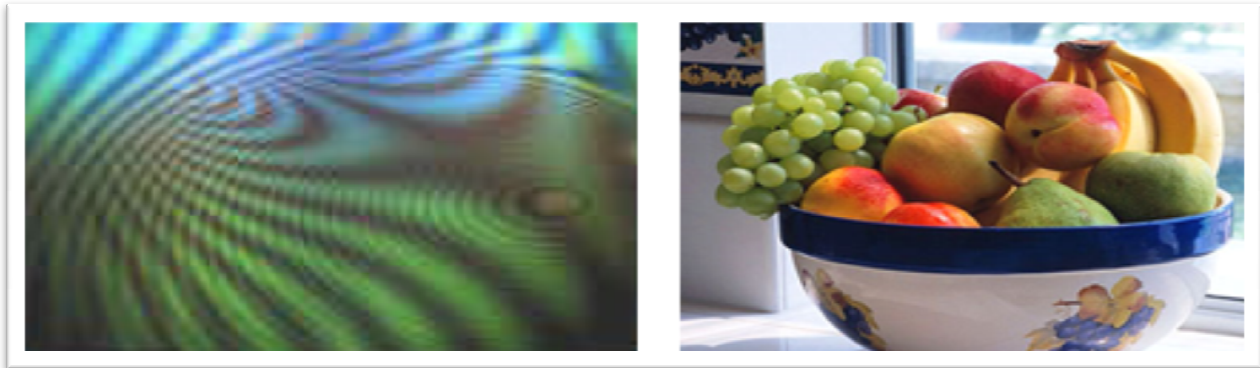


Fig 13 –Lorentz transformation and a bowl of fruit

Hendrik Lorentz created the Lorentz transformation equations for studying electromagnetic phenomena. We find that this is applicable to observership because the Lorentz transform is the pattern of light energy packets that each of the quantum macro-objects are in an environment. [26] Therefore, both *manifest production observerships* (MPOs) - Lorentzian mush and the fruit - are real manifests of two information-set conditions in two LOMs. The difference being the OBSERVER and the observers index MPO (i.e. Earth), which come together to form a hologrammic picture of reality in one LOM.

Second, the act of observing, which may affect the process being observed resulting in a different outcome than if the process was unobserved. Since observership occurs in everything, we know that the observer and observed will both process the information even if they are unaware of it. It is this process which may include the detection, decoding, and decipherment of the information that is of particular interest in the observing process. Detection is defined here as the “tuning in” process by which an observer accesses directly (i.e. gnosively) any aspect of a targeted natural process. The targeting of a natural process is determined by the index MPO of the observer (and observed) and the sense-capacity in order to tune into the proper frequency spectrum of the observed information. Once this is accomplished the decoding process may

begin which starts with the turning of all accessed data and information into sensorially intelligible information. This information may then be deciphered through the oscillating system where it is assigned proper meaning. At this point the information-set observed results in a comprehensible MPO by which the observer may act upon, if he so desires.

The third and most crucial aspect of observership is the very act of observation. This observational process can be thought of as a particular viewpoint of the non-cognitive deployment of vectored intention and interaction with [27]:

- Processes
- Objects
- Hypersurfaces
- Or any other element included in the statevector

The Working Model divides these states of observational procedures into six classes of process, three classes of objects, and two classes of observer design configuration.

Process classes

These includes:

biosimplex unit interface (purposeful functional witnessing connectivity of single unicellular to multicellular complex entities, from spirochaete bacteria to hemichordates, in the planetary Tree of Life to their environment, sources of survival sustenance, safety, and to procreative mating),

biosimplex overfunction interface (purposeful functional witnessing of single cell to multicell complex entities, from spirchaete bacteria to hemichordates, in the planetary Tree of Life to all members of their kind regardless of geographic distance),

biocomplex unit interface (purposeful functional witnessing connectivity of multicellular entities from urochordates to humans, in the planetary Tree of Life to their environment, sources of survival sustenance, safety, and to procreative mating),

biocomplex overfunction interface (purposeful functional witnessing connectivity of multicellular entities from urochordates to humans, in the planetary Tree of Life to all members of their kind regardless of geographic distance),

complex unit energetic interface (purposeful functional witnessing connectivity in complex oscillating biological entities such as humans, higher primates, and gregarious cetacean mammals with their respective environments regardless of geographic distance), and

complex overfunction energetic interface (purposeful functional witnessing connectivity in complex oscillating biological entities such as humans, higher primates, and gregarious cetacean mammals to all members of their kind regardless of geographic distance).

Object classes: These include form-based bioenergetic entities, form-based cyborenergetic entities, and formless energetic entities.

Observer design configuration: These include and are classified as mass-form design configuration and massless design configuration. Observer-design configurations are often experiential byproducts of interaction (activity not involving vectored-intention that occurs between two or more kinds) and interface (activity involving vectored-intention initiated by one life form for purposes of exchange or communication with another kind, biological or nonbiological) that may involve the manipulation of perception by one life form for reasons unique to the imperatives of the life form of the way in which the percipient life form experiences the other.

Human COBE observership

For the purposes of this report, here we will examine the functions necessary for observation by a human COBE – as one subclass of *biocomplex unit interface* capable of perceiving an *ontobioenergetic entity* with a *mass-form design configuration*. Specifying here as we have is necessary in order to be able to account for the medium qualities and densities needed to create a perceptual loop. Human COBEs are biocomplex units capable of both interaction and interface with other life

form – unicellular, multicellular, and extraterrestrial complex biokinds. Perception for a human biokind normally involves the senses, although often in interbiokind (biocommunication with an extraterrestrial biological life form) connectivity, the medium is consciousness.

Observation in this context is a function of purposeful conscious activity and a property of the interconnection of all energy (as quanta and elementary particles), and matter condensates that perform complex entanglement in a never ending continuum (even after the termination of a face-to-face engagement). The effects of this may be seen not only in the quantum/subquantum domains but in space/time as well.

The living matrix of a human COBE is composed of all living tissue of the body-mind's hosting what can best be described as *biomind*. This interaction/interfaces complex exhibits properties that demonstrate interconnectedness by and through their very nature to hook up to all living entities, and oscillate in harmonic resonance with the T-boundary.

When this tuning or hooking up occurs, we can appreciate consciousness and its display of properties and characteristics similar to that of a gravitational field. No matter where in space we may be (i.e. whether in orbit around Lyra or in a space dense with dark matter) consciousness as energetic quanta exhibits the very same properties as the consciousness in a human being like you and us. [28] Thus, for us COBEs on Earth, it is this flow of energy that permeates all life throughout the Unum that seems to make everything in it be enliven without being biological, the result of which is an intelligent domain of continuum-thought often displaying what can only be regarded as vectored-intention.

We will discuss this phenomenon in more depth in the next section.

4.4 MANIFEST PRODUCTION OBSERVERSHIP

MPO can be visualized as a common reality that is literally created, or more properly, fabricated by all observers in the given space/time ratio it is manifest. The MPO is ultimately a resulting hologram in which the observer(s) exist; this is a phenomenon process we don't quite fully understand yet. This can be seen in the direct relationship between an observer and the product/result of observation in a LOM [29] as illus-

trated above in the example of the Lorentzian mush as waves of energy compared to a 4-dimensional visual sensory product such as a bowl of fruit.

In the introduction of this report, we established that reality IS *manifest production observership* (MPO). The reality in which we as COBEs draw our “model of the world” is in fact a hologramic composition of a continuous emotive interface by deployment of vectored intention (i.e. manifest production observership) between us as biomind and our index 4-spacetime derivation of *space* in 3-dimensions suffused by a subquantum medium of *local time*. Therefore, we may begin to realize that we as biominds, by the holonomic experiencing of hologramic moments while following hologrammatic rules, are perfectly suited to MPO our personal reality.

In this subsection, we’ll take the argument further.

To argue how MPO can be made to work, it is first necessary to describe the playing field and the elements of human COBE involved in making personal reality a living platform for a human being. A platform can be both a physical, psychological, and energetic *space/time* unique to the creator. This is not necessarily or always a holographic space/time inside which the creator operates; instead it is best regarded as the software which makes the chosen reality stream become a 3-dimensional conform that is stable yet adaptable to new or different conditions (changes in vector-intention, belief, internal desire[s], imaginings, internal emotional environments, and biomind energy, and density of consciousness) as the experiencer may go through. This software can also be regarded as an intelligent operating metasystem capable of generating a steady light encoding of a chosen reality matrix that is also highly adaptable and flexible according to the life demands of the experiencer.

Thus, the playing field involves the medium (consciousness) in its myriad possible densities (range and type[s] of awarenesses, capacity for conscious experience of both normal and anomalous events and conditions both beyond the skin and within the body, and qualities of conscious awareness both native and learned in all possible strengths and durations of which the individual is capable), and the participating aspects of the experiencer (awareness, belief, attention [broad-internal,

broad-external, narrow-internal, and narrow external], attitude, visual-auditory-kinesthetic-synesthetic-touch/taste proprioception [incoming and outgoing sensory signals in the biomind], ego-needs, information processing and storage, and ego-personality). Other aspects in the capacity-set and ego-personality of the experiencer may also come into play from time to time.

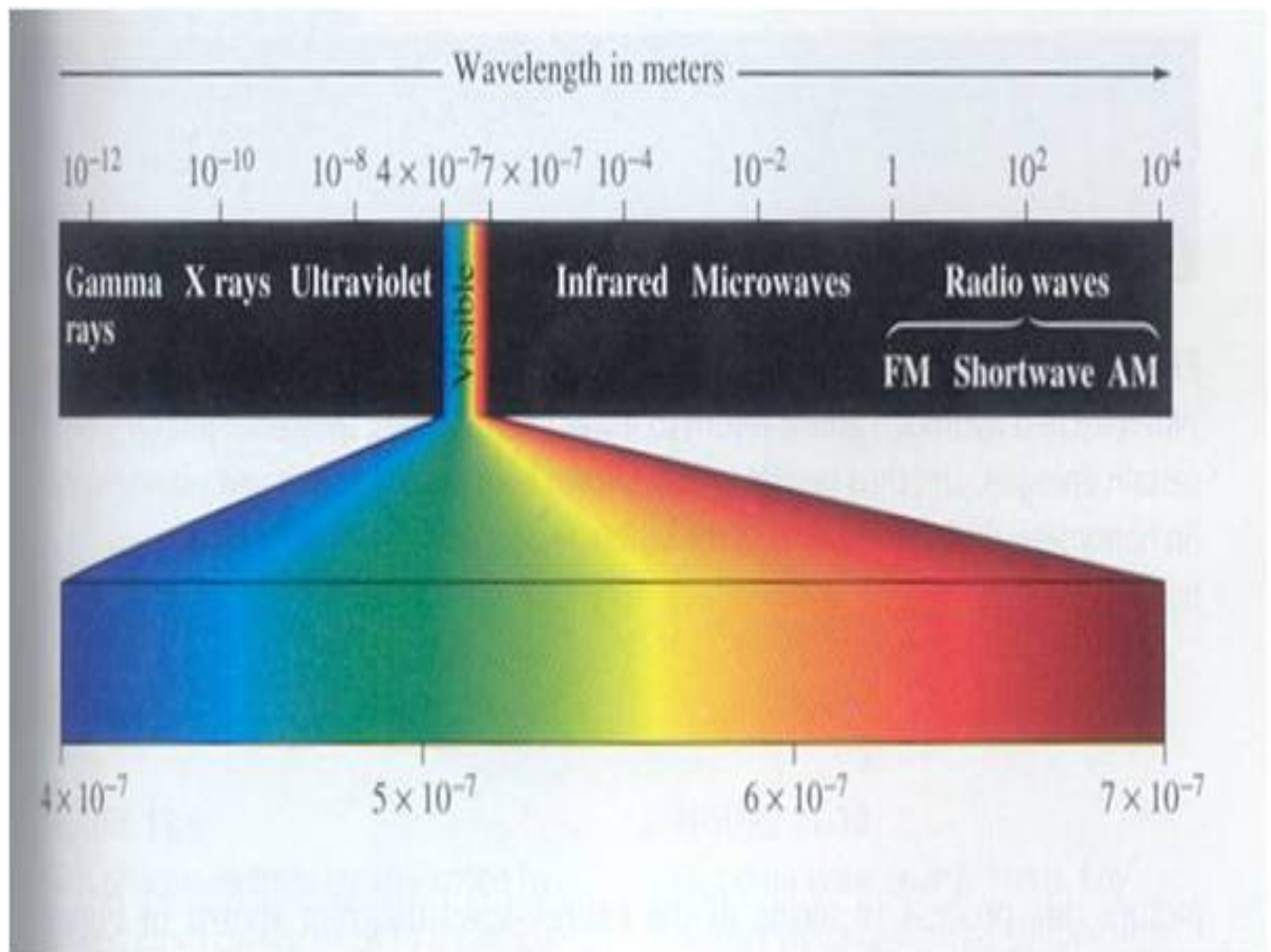
The medium, densities, and participating experiencer aspects may have access, upon recognition of their availability by his or her directing self of two overlapping processes useful in personal reality creation: light encoding of one's chosen reality-framework, and light-encoding of object matrices. The first is affected within time regimens, while the second is relatively independent from such regimens and subject to the individual's capacity to use native capacities and abilities to connect and use energetics from the ambient subquantum environment (orthogonal to his/her position in space/time), from Earth, and from a native knowledge base of the information set necessary to manifest the object needed. This latter process has an ancient genesis, having been one of the major mysteries taught to initiates of ancient Egyptian mystery schools.

MPO is a multiplex of signals over a common platform driven by the software-like lifeware we are all wired to use as the driver in our symmetric conformation of a holo-arrangement we now call personal reality. We do so according to accepted standards which is set by the hologrammatics of conforming realities. We saw and grasped the meaning and characteristics of this as a phenomenon when encountering life forms in space/time ratios different from our index-space/time on Earth. It is this understanding thus gained that made us aware of the centrality of consciousness and its qualities and characteristics that made it, from our very human viewpoint, the platform it is for us.

The surprise for us lay in that what we thought was *consciousness* (as defined today on Earth) is a rather pale reflection of what we found full-flavored consciousness to be: an idiomaterial platform that extends to all thought creative impulses as essences and matrices, to all protomatter, and to all matter in the known universe (or what we chose to call the 4-dimensional superdomain). This consciousness we found to be completely and utterly idiomaterial.

5. CONSCIOUSNESS IDIOMATERIALITY

When Extension Neurosensing became available as a technology-assisted method of gnosive direct acquisition of information about how Nature is and how Nature works, the platform used was the human consciousness with which we started. In time (approximately the early part of 2001), we came to realize that we could not really distinguish between consciousness and matter, or between matter and spirit. What was manifesting to us was a spectrum of energy that went beyond the Planck limit at one extreme and gamma rays at the other.



As a medium and as a platform, consciousness according to the Working Model involves issues and measures of communication and information storage. To deal with its meta-architecture in the Unum (it does have one!), let's first look at ways in which to consider information quantitatively in two contexts: physics and communication.

In English, we use prefixes denote the quantity of something; in standard physics, life physics, and communication they are also known as prefix multipliers. These prefixes, when used in the communication and life physics sense, are defined in powers of 10 from 10^{-24} to 10^{24} , proceeding in increments of three orders of magnitude (10^3 or 1,000). But when used in the sense of information and information storage, multipliers are defined in powers of 2 from 2^{10} to 2^{80} , proceeding in increments of ten orders of magnitude (2^{10} or 1,024). Examples of quantities or phenomena in which power-of-10 prefix multipliers apply include frequency (including computer clock speeds), physical mass, power, energy, electrical voltage, and electrical current.

Power-of-10 multipliers are also used to define binary data speeds. Thus, for example, 1 kbps (one kilobit per second) is equal to 10^3 , or 1,000, bps (bits per second); 1 Mbps (one megabit per second) is equal to 10^6 , or 1,000,000, bps.

When binary data is stored in memory or fixed media such as a hard drive, diskette, ZIP disk, tape, or CD-ROM, power-of-2 multipliers are used. Technically, the uppercase K should be used for kilo- when it represents 2^{10} . Therefore 1 KB (one kilobyte) is 2^{10} , or 1,024, bytes; 1 MB (one megabyte) is 2^{20} , or 1,048,576 bytes.

The choice of power-of-10 versus power-of-2 prefix multipliers can appear arbitrary. It helps to remember that in common usage, multiples of bits are almost always expressed in powers of 10, while multiples of bytes are almost always expressed in powers of 2.

Rarely is data speed expressed in bytes per second, and rarely is data storage or memory expressed in bits. Such usages are considered improper. Confusion is not likely, therefore, provided one adheres strictly to the standard usages of the terms bit and byte.

Below we present is a quick list of them for your use as reference.

PREFIX	SYMBOL(S)	POWER OF 10	POWER OF 2
yocto-	y	10^{-24} *	--
zepto-	z	10^{-21} *	--
atto-	a	10^{-18} *	--
femto-	f	10^{-15} *	--
pico-	p	10^{-12} *	--
nano-	n	10^{-9} *	--
micro-	μ	10^{-6} *	--
milli-	m	10^{-3} *	--
centi-	c	10^{-2} *	--
(none)	--	10^0	2^0
deka-	D	10^1 *	--
hecto-	h	10^2 *	--
kilo-	k or K	10^3	2^{10}
mega-	M	10^6	2^{20}
giga-	G	10^9	2^{30}
tera-	T	10^{12}	2^{40}
peta-	P	10^{15}	2^{50}
exa-	E	10^{18} *	2^{60}
zetta-	Z	10^{21} *	2^{70}
yotta-	Y	10^{24} *	2^{80}

* Not generally used to express data speed
 ** k = 10^3 and K = 2^{10}

5.1 CONSCIOUSNESS AS SINGLE-POINT RESONANCE EFFECT

It took us a while to figure out the gnosis cumulus obtained from the heuristic, “*What is consciousness?*” From decoding and deciphering what was in the cumulus regarding consciousness, we were able to paint

a picture of what consciousness is, where and how it is initiated and sustained, and how it is manifested. Most interesting was an apparent fact: pervasive and permeative as consciousness appeared to be, it also manifested as byproduct of a single point of resonance. More on this later.

Let us first list the findings from the consciousness cumulus.

1. The phenomenon we humans call *consciousness* is both pervasive and permeative. It pervades all thought-essences, thought-matrices, protomatter, and matter both inert and living in all levels of manifestation (LOMs). It permeates everything in process of becoming protomatter or condensate, as well as matter in our index space/time. To gain further understanding of what and how what we call consciousness works, we focused on the thought-essence-, thought-matrix-, protomatter condensate-, and matter-substance by first gaining a paradigm of how creative impulses become matter.

2. We immediately discovered that thought-essence and its transform, thought-matrix, are both the same substance-like and we easily recognized it as what we experience as consciousness. What was most surprising was that all individual and collective essences-matrices could communicate and exchange information with us. This quality we call consciousness was totally share-distributable in the medium and *everywhere* we went. Share-distributable simply means that a quality is evenly distributed across everything, suffusing everything in the medium in which all substance-like essence-matrices exist, thus being openly sharing as a constant state.

3. This constant state of sharing, or the condition of share-distributability evident, was connectivity across all essence-matrices becoming. This connectivity was broadest-band resonance, continuously manifest in energy and sound spectra, often being indistinguishable as one or the other. This condition continued evident as broadest-band resonance when thought matrices becoming reached protomatter condensate (128π , 64π , 32π , and 16π); however, the closer to matter continued condition became, the more harmonics would manifest in both scalar electromagnetic and sound spectra, especially when becoming was relatively closer to an index space/time surface.

4. Once condensate, protomatter began to exhibit what we know as consciousness but as medium condition; in other words, protomatter condensate exhibited characteristics of living matter medium condition, in and through which resonant harmonics was permeative across all protomatter condensate in medium condition. Resonant harmonics exhibited octavial characteristics; in other words, harmonics of resonances worked in octaves, with keys specific to matter medium occupied by the thought-matrix-become-protomatter condensate in index 4-space/time.

Thus, whether in “higher” superdomains or in form-design superdomains, thought-matrix-becoming-matter manifests consciousness-like share-distributability across resonant harmonics not easily or yet understood by standard physics, in octaves well beyond gamma rays and extending well beyond the Planck limit.

5. What is most fascinating about the medium we consider consciousness to be is that it is fluid like the energetics of the plenum, also known as the vacuum, while also behaving like a Unum-sized field. Once we proceeded to approach consciousness as a Unum-sized field, with characteristics similar to those of the vacuum/plenum, we became aware of other, even more fascinating, things. One was that consciousness and intelligence are one and the same, with two names we give in our shortsighted, language-bound reality.

6. We also came to realize that consciousness-as-intelligence is dual, imbued with densities and eddies and ebbs and flows – very much like the vacuum energetics of what we called the Quantum or Templaic Superdomain (a surrender to the human need of creating a conceptual reality with words – shortsighted as it may be). Duality is a condition of consciousness-as-intelligence very much a part of what we also realized was a complex meta-architecture of this Unum-sized field behaving like a fluid medium.

7. Intelligent duality is what we began to understand to be a condition of existence in the Unum, but this intelligent duality seemed to be mostly manifest as information fields in dense consciousness agglomerations. One type used light as overarching medium for communication, sustenance, agglomeration as clusters and interconnected working fragments. The other used a kind of agglutination to absorb light but not reflect it,

and this substance is material as in matter. Scattered throughout the known universe, this dark or nonreflective idiomatter appears organized as metastructure with a distinguishable meta-architecture. In the next subsection, we'll discuss in some depth our findings concerning this intelligent duality and the consciousness meta-architectures that make organized idiomateriality possible and idiomaterial physics a reality beyond the materiality of standard physics.

5.2 INTELLIGENT DUALITY IN THE IDIOMATERIAL UNUM

The universe/Unum is a consciousness pool of unimaginable proportions. In this pool, we found what we termed intelligent duality, up till now not defined.

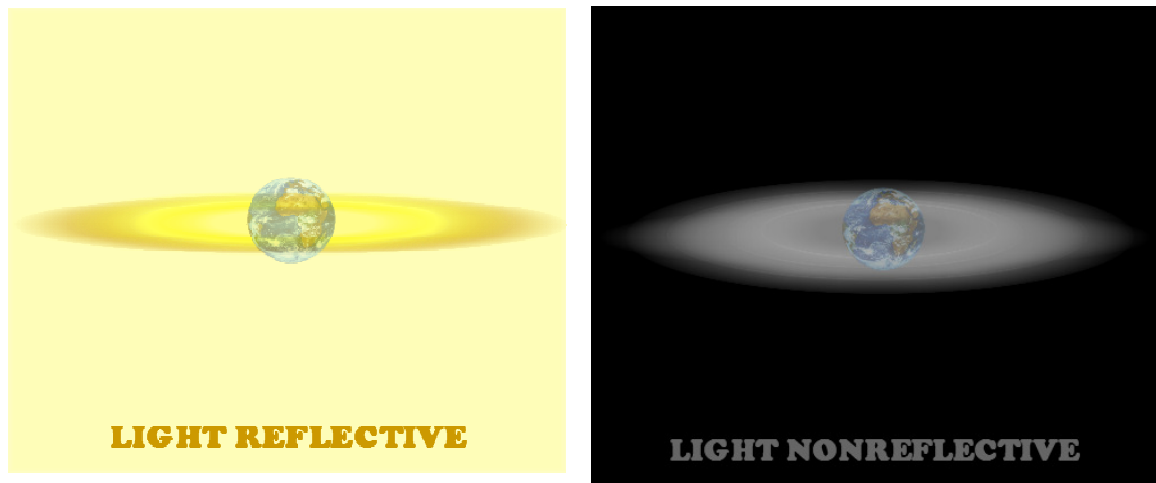
Intelligent duality, in our findings on consciousness, is an ongoing, dynamic and complex phenomenon involving interaction between consciousness densities of differential consciousness valences which produces a differential outcome in a consciousness field, conscious information cloud or other conscious form or metaform.

The byproduct of such interaction alters the end-product in the form or metaform by bringing it into a mutual, complementary and reciprocal relation with the differential outcome of the phenomenon in process. The phenomenal process used by differential intelligent dualities is the differentiating quality which establishes their distinct attributes and features, which affect, as outcomes, the derivative consciousness form or metaform by inculcation of the duality's valence.

One half of the duality utilizes light, resonance, harmonics, connectivity, tautologic refractivity, metamorphosis and transfiguration as means of interconnectivity and share-distributability as means of manifestation and expression in the consciousness pool.

The other half of the duality utilizes resonance, harmonics, individuation, nonreflectivity and non assimilation of light wavelengths, differential processing (subjecting of form or metaform to process or treatment

aimed at readying for differential purpose or condition), and terminal disconnectivity (or induced postmortem discontinuity).



Light reflectivity and nonreflectivity is a viable differential in stipulating the valence of a consciousness density (discrete or extended). This is quite evident when returning to space/time, the superdomain. Consciousness (C-)densities abound in space/time, such that agglutination is common. C-densities are often made of clumping time (energetic) cells holding them together, much like antibodies hold agglutinins together in the human body. The vacuum-energetic substratum we found to be the medium from and through which time becomes a condition stemming from gravitational effects in a local space. The appropriate label for these space/time ratios would then be local time cells, since (and provided vacuum energy is sufficiently uniform) time is an effect of gravitational effects in the local space. These, however, are not always nor necessarily circumscribed to our index-space/time (local time cell).

We have also detected the existence of space/times very much de Sitter-like, and some anti-de Sitter-like, in quantities large enough to stipulate that these may likely be sites where consciousness densities also exist. In some cases we have yet to further specify, these space/times exist in intergalactic space, including intergalactic space bounding our Milky Way. Quite likely, the anomalous space we detected four years ago is an off-phase dodecahedral form accessible from one of the 12 faces. We have no more information on this phenomenon at this time. Each of the consciousness extended densities (light reflecting and light nonreflect-

ing) have their own meta-architecture and apparent meta-organization. We'll explore them briefly next.

5.3. LIGHT-REFLECTIVE CONSCIOUSNESS DENSITIES

Meta-organization and Meta-architecture

Consciousness densities are both corporate and discorporate, biological and nonbiological. C-densities are organized as *information clouds*, *overfunctions*, *superclouds*, and what, for the lack of a term, we simply called *clusters*. Then there are *order superfunctions*, akin to what could best be regarded as *local deities*.

Organization and architecture in this realm have isomorphic correspondence. There isn't any apparent isomorphic correspondence between the meta-organization/meta-architecture of C-densities and corresponding biologic organization.

MetaOrganization

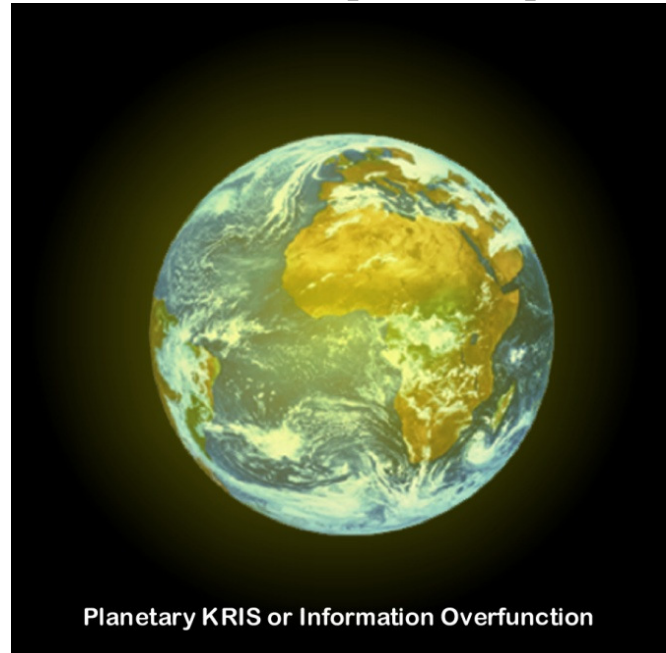
MetaArchitecture

Information cloud	➔	Unit
Overfunction	➔	Local cluster
Supercloud	➔	Supernal Function
Cluster	➔	Ethereal Guidance Function
Order superfunctions	➔	Local Organizing Principles

Short Discussion

It is already clear to us that *information clouds as units of consciousness* do have one-to-one correspondence to a biological complex form, human and nonhuman. The general rule appears to be one information cloud to one biological life form. There are additional arrangements to this configuration we have yet to explore.

The next rank in this seeming hierarchy is the *overfunction as local cluster*. As we have stated elsewhere [31], an overfunction is defined as the totality of embodied information clouds from inception (far past) to the end of biologic embodiment (far future) that are living nodes of a biokind (or biological kind) native to a planet. In the meta-architecture of the C-density involved, our understanding of the hierarchical arrangement is that the overfunction becomes indexed to the planet on which the biokind lives and exists. Its place in the hierarchy of indexed overfunctions in the galaxy has to do with the time duration of its existence. In other words, a planet may host more than one life form cycle on its surface. While this is not only possible but actually common in the Milky Way, according to our gnosive findings in exopolitical affairs, the start and end of a life form cycle on a planet rules the life form's overfunction's position in what appears to actually be a galactic history of overfunctions. An overfunction hugs the contour of the planet which contains its living hosts. As every electromagnetic field holds both energy and information, so does the Earth hold its living hosts' history as information accessible to the initiated and to life forms external to the planet (life forms with the requisite technologies to get information from our noosphere).



All information contained on a planet's noosphere pertains to the life form occupying it at the time, provided it is sufficiently complex, biologically speaking. This is one level of information acquisition our gnosive ENS group has been exploring on planets of stars in the Orion, Sagittarius and Perseus Arms of the Milky Way. Earth is not immune to this phenomenon. In fact, we now understand it is also used in assisting national leaders in navigating today's political, economic and military affairs by using human assets proficient in tuning into the planetary in-

formation bandwidth of the Earth's natural electromagnetic fields and supplementing this information sourcing with more traditional means and method of information gathering.

The third rank is what we've baptized as superclouds that perform supernal functions. If we are to take esoteric sources on Earth seriously, we would say there is a complete hierarchy of entities in this rank, each charged with realizing some aspect of a plan. ENS, however, allows us to identify supernal functions that, we are now realizing, work on the basis of cones of resonance harmonics specifying a supercloud of information to become the functioning vectored-intentions in promoting, sustaining and advancing various aspects of this overarching map or plan [see 5.5. Unum size consciousness density: A plan of Unum evolution].

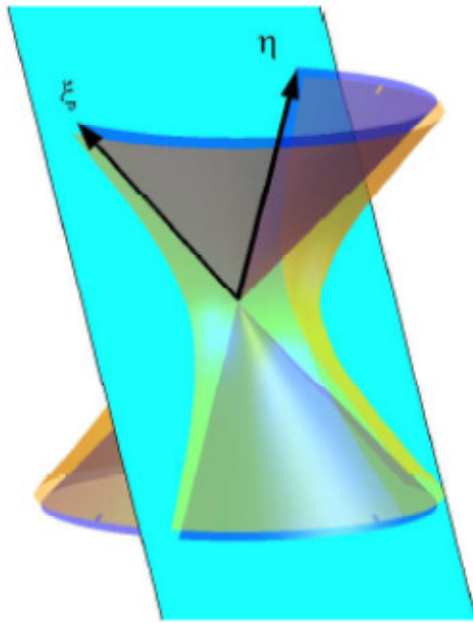
Superclouds appear to ride the crests of a kind of pilot-wave of essential sounds blended in consciousness densities extending forever in all possible directions and levels of manifestations. We suspect these superclouds exist in Euclidean de Sitter spaces, for reasons associated with the characteristics of such de Sitter spaces, as well as in de Sitter spaces of constant curvature. So here we digress a bit to deal with de Sitter spaces in terms of Einsteinian physics¹, in particular his special relativity. It is important that we do it at this juncture, because what the de Sitter solutions to Einstein's field equations offer can be treated as constructs, as well as real spaces. To us, gnosive explorations of such spaces indicated them to have a reality completely independent of each of us who have extended to one or more of these spaces.

What is significant is the way in which de Sitter spaces came about.

Part of the significance we saw lay in the adaptation of life form, all of them ontoenergetic information clouds in large clusters conformed even at an early moment in the appearance of a space in the early universe with maximally symmetric solutions when using General Relativity to understand it. Maximal symmetry means that you should be able to look at the space at different places and at different times and the metric should be just the same.²

So how are we to square that with the idea of an exponentially growing universe? Well, it all comes down to coordinate choices and the crucial existence of other matter in the universe. Global coordinates foliate

de Sitter space with spheres, and planar coordinates foliate de Sitter space with planes. One can also foliate de Sitter space with spaces of constant negative curvature. The astronomical evidence for an accelerated expansion of the universe gives a central place to the de Sitter geometry in cosmology.



The yellow surface represents the de Sitter universe. The blue cone is the lightcone of the five-dimensional ambient spacetime, asymptotic to the de Sitter hyperboloid. Timelike geodesics are hyperbolae and are obtained by intersecting the hyperboloid with two-planes passing through the origin of the ambient spacetime. Any two-plane associated with a timelike geodesic can be identified by specifying two null vectors ξ and η that can be used also to parametrize the geodesic itself. In at spacetime geodesics are labeled by their four-momentum. By analogy,

the lightcone C can be interpreted as de Sitter momentum space. In particular, de Sitter plane waves are constructed using vectors belonging to the lightcone C .

5.4. LIGHT-NONREFLECTIVE DENSITIES

CONSCIOUSNESS

5.5. UNUM SIZE CONSCIOUSNESS DENSITY: A PLAN

FOR UNUM EVOLUTION

The

NOTES

1. In mathematics and physics, n -dimensional **de Sitter space**, denoted dS_n , is the Lorentzian analog of an n -sphere (with its canonical Riemannian metric). It is a maximally symmetric, Lorentzian manifold with constant positive curvature, and is simply-connected for n at least 3. In the language of general relativity, de Sitter space is the maximally symmetric, vacuum solution of Einstein's field equation with a positive (repulsive) cosmological constant Λ . When $n = 4$, it is also a cosmological model for the physical universe.

Asymptotically de Sitter spacetimes can be roughly thought of as solutions to the Einstein equations with positive cosmological constant having a spacelike boundary at infinity J . These spacetimes naturally arise in a number of contexts, such as in the study of inflationary cosmological models. An asymptotically de Sitter spacetime is said to be asymptotically simple provided every null geodesic extends all the way from past infinity J^- to future infinity J^+ . Such spacetimes are, of course, modeled on de Sitter space dS_n itself, which conformally embeds into the Einstein cylinder, acquiring there a past conformal infinity J^- and a future conformal infinity J^+ , each spacelike and diffeomorphic to the $(n - 1)$ -sphere.

2. Pure de Sitter space means the solution to the Einstein equations with a positive cosmological constant and no other matter sources – is, indeed, a maximally symmetric space. There exist a number of particularly useful coordinate choices for this space. In some cases, these consist of picking a useful time choice, and thus defining a family of spacelike surfaces (the spatial part of the spacetime at a constant value of this time choice). This is referred to as a *slicing* of the space, and it is, actually, possible to slice the space in three different ways that corre-

spond to cosmologically expanding spaces with flat, positively-curved and negatively curved spatial parts, respectively. These are the ways of describing de Sitter space that are useful when considering inflation. However, there also exists a choice of coordinates in which the metric does not depend on time at all, and the mere existence of such a choice is enough to tell us that there is no fundamental sense in which this is an expanding cosmological spacetime.

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